

Bioinformatics updated 11/7/17

Name: _____ UID: _____ Quarter: _____ Date: _____

Current Major: _____ Cumulative GPA: _____ Total Units completed*: _____

***If you are an L&S student with 150 units or more, you must meet with College Academic Counseling in Murphy Hall and get approval before applying for the minor.**

Eligibility: Good Standing & Completed 2 of the 3 Lower Division requirements with a C or better. At least 20 units must be unique to Bioinformatics and not counting towards any other major or minor. Supplement with Elective options below if necessary.

Lower Division Requirements: 12-14 units

1) **CS 32 4 units** OR **Pic 10C 5 units**

2) **Lifesci 3 & LS 23L 4/2 units** OR **Lifesci 7A 5 units**

(LS 23L can be waived via petition if you don't need the units to meet the minimum 20 unique minor units.)

3) **Math 33A 4 units**

Upper division Requirements: 18 units minimum from the following requirements

1) **CS M184 2 units** - only offered once a year, check with CS dept: <http://www.seasoasa.ucla.edu/cs-tentative-offerings/>

2) **CS 180 4 units** (requires Math 61 but offered every quarter) OR **Math 182 4 units** - Offered once a year, check with the Math dept

Please note that with Pic 10C credit, you meet the CS 32 requisite for CS 180, but that you will need to send your first and last name, UID, and 10 digit course number for the section you would like to add to CS counselors on Message Center: [CS_CSE_Message_Center](#)

3) **2 courses 8 units** from

- **CSM121** (Same as Chemistry CM160A) **4 units** (typically Fall Qtr)
- **CS CM122** (Same as Chemistry CM160B) **4 units** (typically Winter Qtr)
- **CS CM124** (Same as Human Genetics CM124) **4 units** (typically Spring Qtr)

At least 1 bioinformatics Elective from the following list: Requisites vary, please check catalog.

Faculty recommended electives in blue.

- Chem C100 **5 units**
- Chem 153B **4 units**
- Com Sci CM186 **5 units**
- **Com Sci CM121 4 units** (highly recommended)
- **Com Sci CM122 4 units** (highly recommended)
- **Com Sci CM 124 4 units** (highly recommended)
- Com Sci 170A **4 units**
- C&S Bio CM187 **2-4 units**
- EEBio 135 **4 units**
- El Engr 102 **4 units**
- El Engr 141 **4 units**
- Human Genetics C144 **4 units**
- MCD Bio 144 **5 units**
- MCD Bio 172 **5 units** (seldom offered, check schedule of classes)
- MCD Bio 187AL **5 units**
- MIMG 132 **4 units**
- Phy Sci 125 **4 units**
- **Stats 100A**, El Engr 131A, C&EE 110, or Math 170A **4 units**
- **Stats 100B 4 units**

Elective may not be fulfilling any of the requirements above. 8 units of either CS 194 or 199 or Bioinformatics 199 may apply as an elective by petition in Boelter Hall 6426. 4 units of 199 in your home department may also be petitioned. Student must maintain a minor GPA of 2.000 to graduate and no grades below a C-.